- transmitting to said remote system via said second interface said first data set configured according to said second protocol.
- **63**. The method of claim 62 further including the steps of:
- receiving from said remote system via said second interface a second set of data configured according to said second protocol;
- providing said second set of data received via said second interface to said digital signal processor (DSP);
- converting with said DSP said second set of data from said second protocol to said first protocol in accordance with a number of single-clock cycle DSP instructions;
- providing said second set of data configured according to said first protocol from said DSP to said first interface; and
- transmitting to said at least one communications network via said first interface said second data set configured according to said first protocol.
- **64.** The method of claim 63 wherein the vehicle carrying the at least one communications network includes another communications network configured for communications according to a third protocol, the method further including the steps of:
 - receiving via a third interface coupled to said another communications network a third set of data from said another communications network configured according to said third protocol;
 - providing said third set of data received via said third interface to said digital signal processor (DSP);
 - converting with said DSP said third set of data from said third protocol to said second protocol in accordance with a number of single-clock cycle DSP instructions;
 - providing said third set of data configured according to said second protocol from said DSP to said second interface; and

- transmitting to said remote system via said second interface said third data set configured according to said second protocol.
- **65**. The method of claim 64 further including the steps of:
- receiving from said remote system via said second interface a fourth set of data configured according to said second protocol;
- providing said fourth set of data received via said second interface to said digital signal processor (DSP);
- converting with said DSP said fourth set of data from said second protocol to said third protocol in accordance with a number of single-clock cycle DSP instructions;
- providing said fourth set of data configured according to said third protocol from said DSP to said third interface; and
- transmitting to said another communications network via said third interface said fourth data set configured according to said third protocol.
- **66.** The method of claim 65 wherein said at least one communications network is a society of automotive engineers (SAE) J1708 hardware network and said first protocol is an SAE J1587 communications protocol configured for communication over said J1708 hardware network;
 - and wherein said another communications network is an SAE J1939 hardware network and said third protocol is an SAE J1939 communications protocol configured for communication over said J1939 hardware network.
- **67**. The method of claim 66 wherein said second protocol is an RS-232 communications protocol.
- **68**. The method of claim 66 wherein said second protocol is a universal serial bus (USB) communications protocol.

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